

STEPANYAN, L.S.

Notes on winter birds in the coastal area of the Sochi-Khosta
region. Sbor. trud. Zool. muz. MGU 8:223-230 '61. (MIHA 15:5)
(Sochi region—Birds) (Khosta region—Birds)

STEPANYAN, L.S.

Taxonomic relationships and zoogeographical analysis of the distribution of the accentor *Prunella ocularis* Radde. Izv. AN Arm. SSR. Biol. nauki 14 no.2:99-103 F '61. (MIRA 14:3)

1. Zoologicheskiy muzey Moskovskogo universiteta.
(ACCENTORS (BIRDS))

STEPANYAN, L.S.

Specific independence of rock nuthatches (*Sitta neumayer*
Michah., *Sitta tephronota* Sharpe). Trudy Inst. zool. AN
Kazakh. SSR 15:139-142 '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni
V.I. Lenina.
(Nuthatches)

STEPANYAN, L.S.

Cases of atypic reproduction in some representatives of
passerines. Biul. MOIP. Otd. biol. 67 no.1:119-120 Ja-F
'62. (MIR 15:3)
(PASSEURIFORMES) (REPRODUCTION)

STEPANYAN, L.S.

Observations on the tree creeper (*Certhia brachydactyla*) in the
Caucasus. Zool. zhur. 42 no.3:467-468 '63. (MIRA 17:1)

1. Department of Zoology and Darwinism, V.I. Lenin State
Pedagogical Institute of Moscow.

STEPANYAN, L.S.

Some characteristics of the ecology of the bearded vulture
(Gypaetus barbatus L.) Nauch. dokl. vys. shkoly; biol.
nauki no.3:30-34 '64 (MIRA 17:8)

1. Rekomendovana kafedroy zoologii i darvinizma Moskovskogo
gosudarstvennogo pedagogicheskogo instituta imeni Lenina.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653220010-1

STEPANYAN, L.S.

Occurrence of *Carpodacus rubicilla* diabolica in the U.S.S.R.
Ornitologiya no. 7/137-439 '65. (M.R. 18/10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653220010-1"

STEPANYAN, L.S.

Presence of firecrest (*Regulus ignicapillus* Temm.) in the Caucasus.
Ornitologija no. 7:489-491 '65. (MIRA 18:10)

STEPANYAN, L.S.

Nomenclature of the Pamir-Tien Shan grosbeak *Mycerobas carnipes*
Hodgson of the juniper forests. Sbor. trud. Zool. muz. MGU. 9:
225-227 '65.

Geographical variability of the rock thrush - *Monticola saxatilis* L.
(MIRA 18:6)
Ibid.:228-231

KHURSHUDYAN, I.A.; STEPANYAN, M.A.

Pine cultivation on bare bottom soils of Lake Sevan. Izv. AN Arm.
SSR. Biol. nauki 18 no.4:44-57 Ap '65. (MIRA 18:5)

1. Botanicheskiy institut AN ArmSSR.

STEPANYAN, Mikhail Armenakovich; SINEL'NIKOVA, TS.B., red.;
VOLKOVA, V.G., tekhn. red.

[For the buyer of a television set] Pokupatelju o tele-
vizorakh. Moskva, Gostorgizdat, 1963. 111 p.
(MIRA 17:2)

STEPANYAN, M. G.

4659. STEFANYAN, M. G. Bolezni lyutserny i espartseta v armyanskoy sssr i mero-pritatiya po bor'be s nimi. yerevan. lz d-vo an arm. sssr, 1954 35s. s ill. 20 sm. (akad, nauk arm. yaz -- (55-51365) 633.3:632+3/4:633.3)(47.925)

SO: Letopis' Zhurnal' nykh Statey, Vol. 7, 1949

MANVELYAN, M.G.; KHANAMIRYAN, A.A.; TALIASHVILI, B.A.; NIKOGOSYAN, B.V.
OLOBIKYAN, L.G.; STEPANYAN, M.G.

Desilicification of sodium-potassium aluminate solutions.
Izv.AN Arm.SSR.Khim.nauki 17 no. 3:283-289 '64.
(MIRA 17:7)

1. Institut khimii Gosudarstvennogo komiteta tsvetnykh i
chernykh metallov pri Gosplane SSSR.

MANVELYAN, M.G.; KHANAMIRIAN, A.A.; NIKOGOSYAN, B.V.; STEPANYAN, M.G.

Use of white slime as an active additive especially for desiliconizing
potassium aluminate solutions. TSvat. met. 37 no.9:43-46 S '64.
(MIRA 18:7)

STEPANYAN, M. S.: Master Biol Sci (diss) -- "The fodder value of the plants on
winter pastures of Dzheyranchel' (Azerbaijan SSR)". Kirovabad, 1958. 20 pp
(In Agric USSR, Azerb Agric Inst); 150 copies (KL, No 10, 1959, 124)

ASRATYAN, G.S.; STEPANYAN, M.S.; SHMAVONYAN, D.M.

Iodine content in soils and endemic goiter phenomena in Razdan
District of the Armenian S.S.R. Izv. AN Arm.SSR, Biol.nauki 19
no.10:23-28 O '65. (MIRA 18:12)

1. Yerevanskiy zooveterinarnyy institut. Submitted Dec. 25,
1964.

L 37709-65 EWT(1)/EMG(v)/EEC-4/EEC(t) Pe-5/Pq-4 GW

ACCESSION NR: AP5001710

S/0254/64/000/012/0020/0021

AUTHOR: Syevyernyy, A. (Corresponding member AN UkrSSR); Stepanyan, N.
(Candidate of physico-mathematical sciences)

TITLE: Sun service

SOURCE: Nauka i zhytтя, no. 12, 1964, 20-21

TOPIC TAGS: sunspot prediction, solar activity, quiet sun, solar radiation

ABSTRACT: The article describes the study of solar activity in general terms. The beginning of the article describes the measurement of the activity of the sun in terms of the number of sun spots and their area. The nature of sun spots is not yet completely understood, but they are compared with cyclones on the earth. The 11-year solar cycle theory has not yet been proven. The sun exerts an effect on the earth through radiation as well as through corpuscular flux. The visible radiation is essentially constant, but ultraviolet and x-radiation are extremely variable and depend on processes which take place in the course of the solar activity cycle. We are now in the quiet part of the solar cycle, which is the best time for astronomers and geophysicists to study solar processes. The program planned for the International year of the Quiet Sun is outlined. Orig.

37
38
B

Card 1/2

L 37709-65

ACCESSION NR: AP5001710

art. has: 3 figures.

ASSOCIATION: Kryms'ka astrofizychna observatoriya (Crimean Astrophysical Observatory)

SUBMITTED: 00

ENCL: 00

SUB CODE: AA

NO REF SOV: 000

OTHER: 000

me
Card 2/2

STEPANYAN, N.G., kand.sel'skokhozyaystvennykh nauk

Work results in the improvement of cattle breeds and increase
of their productivity in the Armenian S.S.R. Trudy Arm. nauch.-
issl. inst.zhiv. i vet. 4:1-10 '60. (MIRA 15:5)
(Armenia—Cattle breeding)

BRYUKHANOV, Valentin Andreyevich [deceased]; FADDEYEV, Ye.T., otv.red.;
VARVAROV, N.A., otv.red.; STEPANYAN, N.I., red.; ROZEN, E.A.,
tekhn.red.

[Great achievement of mankind; problem of interplanetary flights
and atheism] Velikii shag chelovechestva; problema mezhplanetnykh
poletov i ateizm. Moskva, Izd-vo "Sovetskaya Rossiia," 1959.
98 p. (Interplanetary voyages) (Atheism) (MIRA 13:3)

GRANOV, Vladimir Dmitriyevich; STEPANYAN, N.I., red.; YELAGIN, A.S.,
tekhn.red.

[Time works for us] Vremia rabotaet na nas. Moskva; Izd-vo
"Sovetskaya Rossiya," 1959. 44 p. (MIRA 14:1)
(Russia--Industries) (Competition, International)

22101

S/035/61/000/003/028/048
A001/A101

31540

AUTHOR: Stepanyan, N.N.

TITLE: Lines of rare earths in quiet and active regions on the Sun

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodesiya, no. 3, 1961, 52, abstract 3A444 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 56-66, Engl. summary)

TEXT: The author investigated the behavior of rare earths lines in quiet and active regions on the Sun. It has been found that equivalent widths W and residual intensities r of these lines decrease from the center to the edge, whereas for metallic lines W and r increase towards the edge. Line displacements of rare earths relative to metallic ones are measured at the edge of the Sun's disk. At the western edge these lines are displaced more towards the red, at the eastern edge - towards the blue. In flocculi and flares, rare earths repeat in most cases emission of Ca II and H. In flares rare earths emit brighter where $H\alpha$ has smaller wings. The maximum of radiation of rare earths in a flare sets in later than in Ca II and H. In the chromosphere rare earths lines are brighter than many

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22101

S/035/61/000/003/023/048
A001/A101

Lines of rare earths ...

metallic lines. All these observed facts indicate that lines of rare earths are originated somewhere in the upper layers of the photosphere or in the lower chromosphere. There are 9 references.

Author's summary

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/006/016/064
A001/A101

AUTHOR: Stepanyan, N. N.

TITLE: Sequence of appearance of lines of various elements in a flare

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 6, 1962, 56,
abstract 6A415 ("Izv. Krymsk. astrofiz. observ.", 1961, v. 26, 41 -
44, English summary)

TEXT: The author investigated the sequence of appearance of lines of
various elements in a flare. It was found out that the maximum emission of a
flare in lines of rare earths sets in a few minutes (~ 5 min) later than the
maximum in the lines of such metals as Mg, Fe and Al. This effect can be ex-
plained by that emission of a flare, occurring in the chromospheric upper layers,
reaches the lower chromosphere, where rare earths are located, with some delay.

Author's summary

[Abstracter's note: Complete translation]

Card 1/1

S/712/62/028/000/009/020
E032/E314

AUTHORS: Stepanyan, N.N. and Khokhlova, V.L.
TITLE: Excitation of Na I and Ca II in chromospheric flares
SOURCE: Akademiya nauk SSSR. Krymskaya astrofizicheskaya observatoriya. Izvestiya. v. 28. 1962. 230 - 240
TEXT: The excitation of Na I and Ca II lines was computed for several values of the electron temperature in the range 8×10^3 to 5×10^4 K and for electron densities of 10^{11} , 10^{12} and 2×10^{13} . A simplified term scheme was assumed for the excitation and ionization of Na. Only three levels were considered, namely - 3s, 3p and the continuum. The cross-section for excitation by electron impact of the 3p level was taken in the form given by Christoph (Ann. d'Phys., 23, 51, 1935), the cross-section for ionization by electron impact was calculated from a formula given by Allen (Astrofizicheskiye velichiny (Astrophysical quantities), IL, 1960) and the coefficients of photoelectric absorption and recombination were taken from Allen's tables.. Comparison with observations shows that the most favourable conditions for the
Card 1/3

S/712/62/028/000/C09/020
EO32/E314

Excitation of

emission of the Na D lines correspond to $n_e = 2 \times 10^{13}$,
 $T_e = 1.5 \times 10^4 - 2.0 \times 10^4$. In the case of excitation and
ionization of Ca, the simplified level scheme for the Ca II ion
consisted of the 4s, 5s, 4p and 3d levels and the continuum. The
approximate values for the cross-sections were calculated from
the formulas given in Allen's tables. Comparison with observations
suggests that the most favourable conditions for the appearance
of the $\lambda\lambda 3706$ and 3737 \AA lines in flares correspond to
 $T_e \approx 3 \times 10^4$ and $n_e \approx 2 \times 10^{13}$. The above results are in
agreement with those obtained for helium and hydrogen lines in
flares by Severnyy (Izv. Krymskoy astrofiz. obs., 19, 72, 1958)
and Sobolev (Izv. GAO, 158, 3, 1958). The intensities of the
 n_e and will appear in emission on the solar disc under conditions
characteristic of intense flares. Infrared lines and the H and
K lines of Ca II are easily excited at $n_e \sim 10^{11}$ and $T_e = 10^4$

Card 2/3

S/712/62/028/000/009/020
EO52/E314

Excitation of

and this accounts for their appearance in the emission of flocculi and the chromosphere. The emission of sodium and ionized calcium must be ascribed to the flare itself rather than the surrounding chromosphere. The present calculations will be used in a future paper to discuss the formation of a K_z line on a background of an emission K₂ line. There are 1 figure and 6 tables.

SUBMITTED: December 25, 1961

Card 3/3

STEPANYAN, N.N.

Metallic lines in flares. Izv. Krym. astrofiz. obser. 29:68-79
'63. (MIRA 16:10)

ACCESSION NR: AR4021618

S/0269/64/000/002/0059/0059

SOURCE: RZh. Astronomiya, Abs. 2.51.417

AUTHOR: Stepanyan, N. N.

TITLE: Determination of the kinetic temperature of flares

CITED SOURCE: Izv. Krymsk. astrofiz. observ., v. 30, 1963, 211-213

TOPIC TAGS: sun, solar activity, solar flare, chromospheric flare, solar temperature

TRANSLATION: Kinetic temperature of several flares at the limb and on the solar disk has been determined from the half-widths of the lines of elements with different atomic weights. It is shown that the very high temperature ($\sim 100,000^{\circ}\text{K}$) obtained for flares on the disk is fictitious, since it is derived from the lines of metals and hydrogen luminescent at different heights. A stratification of luminescence is observed in limb flares, making it possible to determine the temperature for a particular height. The derived temperatures agree well with the

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653220010-1"

ACCESSION NR: AR4021618

temperature determined by other methods. Author's abstract.

DATE ACQ: 09Mar64

SUB CODE: AS

ENCL: 00

Card 2/2

YESAULOV, N.P.; NIKULIN, N.S.; SIDOROV, V.I.; STEPANYAN, N.N.; TSUGULIYEV, A.I.

Observations of the thermal radiation of the moon. Izv. Krym.
astrofiz. obser. 30:273-283 '63. (MIRA 17:1)

MNDZHOYAN, A.L.; AFRIKYAN, V.G.; OGANESYAN, A.N.; KHORENYAN, G.A.;
ALEKSANYAN, R.A.; STEPANYAN, N.O.

Derivatives of p-alkoxybenzoic acids. Report no.22:
 α -Dimethyl- γ -methylpropyl-, and γ -dipropylaminopropyl esters
of p-alkoxybenzoic acids. Izv.AN Arm.SSR. Khim.nauki 16 no.4:
365-372 '63. (MIRA 16:9)

1. Institut tonkoy organicheskoy khimii AN Armyanskoy SSR.

KHACHIKYAN, A.B.; AFRIKYAN, V.G.; KHORENYAN, G.A.; ALREKSANYAN, R.A.;
STEPANYAN, N.O.

Derivatives of p-alkoxybenzoic acids. Part 23: Synthesis
of aminoesters of 3-methoxy-4-alkoxybenzoic acids. Izv. AN
ArmSSR. Khim. nauki 18 no.2:193-199 '65. (MIRA 18:11)

1. Institut tenkoy organicheskoy khimi: AN ArmSSR. Submitted
April 18, 1964.

GRDZELYAN, P.A.; KARJETYAN, M.M.; STEPANYAN, N.P.; TOROSYAN, A.S.

Features in calculating yearly losses of electric energy to
the corona of mountain transmission lines. Izv.AN Arm.SSR.
Ser.tekh.nauk 12 no.6:3-14 '59. (MIRA 13:6)

1. Institut elektrotehniki AN Armyanskoy SSR.
(Electric lines) (Corona (Electricity))

STEPANYAN, N. P.

Effect of some meteorological factors of high mountain areas
on the corona and external insulation of electric installations. Izv. AN Arm. SSR, Ser. tekhn. nauk 12 no. 6:15-22
'59. (MIRA 13:6)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Corona(Electricity)) (Electric insulators and insulation)

SHTANGEY, I.F., inzh.; STEPENKO, N.P., inzh.

Recording the consumption of water in irrigating farm crops with
double-cantilever sprinklers. Gidr.i mel. 12 no.3:34-37 Mr
'60. (MIR 13:6)

1. Kamensko-Dneprovskaya optytno-meliorativnaya stantsiya.
(Ukraine--Sprinkler irrigation)
(Water meters)

BILENKO, Dmitriy Aleksandrovich; CHEPELEV, Viktor Ivanovich; STEPANYAN,
N.TS., red.; MEDVEDEVA, R.A., tekhn.red.

[This is the kind of technology we need] Nem nushna takais
tekhnika. Moskva, Izd-vo "Sovetskaiia Rossiia," 1960. 55 p.
(MIRA 14:4)

(Automation)

SHCHERBAKOV, Dmitriy Ivanovich, akad.; STEPANYAN, N.TS., red.; KARASIK,
N.P., tekhn. red.

[From the arctics to the tropics] Ot Arktiki do tropikov. Moskva,
Izd-vo "Sovetskaia Rossiia," 1960. 198 p. (MIRA 14:6)
(Voyages and travels)

PEREL'MAN, Roman Grigor'yevich; BABAT, G.I., doktor tekhn. nauk, prof.,
nauchnyy red. [deceased]; STEPANYAN, N.TS., red.; ROZEN, E., tekhn.
red.

[Spaceships] Zvezdnye korabli. Moskva, Izd-vo "Sovetskaia Rossia,"
1961. 61 p. (MIRA 14:7)

(Spaceships)

ORLOV, Vasiliy Ivanovich; TROSTNIKOV, Viktor Nikolayevich; STEPANYAN,
N.TS., red.; POPOV, N.D., tekhn. red.

[Particles which constitute the world] Chastitsy, iz kotorykh
sostoit mir. Moskva, Izd-vo "Sovetskaia Rossiia," 1961. 141 p.
(MIRA 15:3)

(Particles (Nuclear physics))

PHASE I BOOK EXPLOITATION

SOV/6104

Kurlyandskaya, S. V., and N. Ts. Stepanyan, eds.

Nashi kosmicheskiye puti (Our Cosmic Paths). Moscow, Izd-vo "Sovetskaya Rossiya", 1962. 306 p. 12,000 copies printed.

Tech. Ed.: V. A. Avdeyeva.

PURPOSE: This book is intended to familiarize the general reader with Soviet space achievements.

COVERAGE: The book propagandizes Soviet achievements in space research. It contains a number of photographs.

TABLE OF CONTENTS: [Summarized] This book, with a foreword by Academician L. I. Sedov, is composed of TASS and USSR Academy of Sciences communiqus, speeches of outstanding Soviet scientists and other personalities, and foreign press items on various Soviet space successes from the Sputnik I (October 1957) to Major Titov's flight (August 1961).

Carri 1/2

Our Cosmic Paths

SOV/6104

AVAILABLE: Library of Congress

SUBJECT: Aerospace

Card 2/2

AD/dk/mas
11-9-62

NORITSYN, I.A.; SHEKHTER, V.Ya.; STIPANYAN, R.L.

Manufacture of generator poles by cold peripheral upsetting.
Kuz-shtam. proizv 4 no.6:1-4 Je '62. (MIR: 15:6)
(Forging)

STEPANYAN, R.M.

Variations in the erythrocyte and leucocyte count due to
stimulations of the receptors of the small intestine performed
before and after splenectomy. Iss. AN Arm. SSR Biol. i sel'khoz.
nauki 11 no.6:37-41 Je '58. (MIRA 11:7)

1.Kafedra normal'noy fisiologii Yerevanskogo meditsinskogo instituta.
(BLOOD--CORPUSCLES AND PLATELETS) (INTESTINES--INNERVATION)
(SPLEEN)

STEPANIAN, T. G.

Stepanian, T. G., Teterevnikova-Babayan, D. N., and Keckek, N. A.
"Diseases of Alfalfa in Armenian SSR," Izvestiia Akademii Nauk
Armianskoi SSR, no. 3, 1950, pp. 227-240. 20 Er 4

SO: SIRA-Si-90-53, 15 DEC. 1953

STEPANYAN, T.G.

Sainfoin mildew and its control [in Armenian with summary in Russian]. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 6 no.11:53-61 '53.
(MLRA 9:8)
(Armenia--Sainfoin--Diseases and pests) (Mildew)

ASLANYAN, G.Sh.; KECHEK, N.A.; STEPANYAN, T.G.

Effect of soil sterilization on plant nutrition. Izv. Ak. Arm. SSR.
Biol. i sel'khoz. nauki 11 no.7:71-78 Jl '58. (MIRA 11:9)

1. Laboratoriya biokhimii fiziologii rasteniy Instituta zemledeliya
Ministerstva sel'skogo khozyaystva ArmSSR.
(Soil sterilization)

KECREK, N.A.; STEPANYAN, T.G.

Biological characteristics of Ascochyta infecting sainfoin in
the Armenian S.S.R. Izv. AN Arm. SSR. Biol. nauki 14 no.7:49-
56 Jl '61. (MIRA 14:9)

1. Institut zemledeliya Ministerstva sel'skogo khozyaystva
Armyanskoy SSR.
(ARMENIA--FUNGI, PHYTOPATHOGENIC)
(SAINFOIN--DISEASES AND PESTS)

Yer. 1960, T. 10.

Dissertation: "The problem of certain biological and morphological arguments in the fight in electric shock and in paroxysmal shock." Dokt. filos. sci., Yerevan Medical Institute, Yerevan, 1960. (Referatnyy zhurnal-Khimija, No. 10, Moscow, May 5.)

1 : 1/34, 43 sec 1/34.

STEPANYAN, T.Kh.

Effect of experimental convulsive attacks on the secretory function
of the pancreas. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 9 no.5:
39-43 My '56. (MLRA 9:8)

1. Kafedra fiziologii Yerevanskogo meditsinskogo instituta.
(PANCREAS) (CONVULSIONS)

STEPANYAN, T.Kh.

Conditioned reflex changes in certain blood components. Izv. Akad. Nauk Arm. SSR. Biol. i sel'skhoz. nauki 9 no.9:15-21 S '56. (MIRA 9:11)

1. Kafedra normal'noy fiziologii Yerevanskogo meditsinskogo instituta.
(CONDITIONED RESPONSE) (SHOCK THERAPY)
(BLOOD CELLS) (ACETYLCHOLINE)

STEPANYAN, T.Kh.

Effect of electroconvulsive attacks on the incretory function of
the pancreas. Izv.AN Arm.SSR. Biol.i sel'khoz.nauki 10 no.7:95-98
J1 '57. (MIRA 10:10)

1. Kafedra fiziologii Yerevanskogo meditsinskogo instituta.
(PANCREAS--SECRECTIONS) (CONVULSIONS) (BLOOD SUGAR)

MUSHEGYAN, G.P.; STEPANYAN, T.Kh.

Effect of the "Dzhermuk" mineral water on the incretory function
of the pancreas. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 10
no.12:3-8 D '57. (MIRA 11:2)

1.Kafedra normal'noy fiziologii Yerevanskogo meditsinskogo instituta.
(DZHERMUK--MINERAL WATERS)
(PANCREAS--SECRECTIONS)
(DIABETES)

STEPANYAN, T. S., MAUMYAN, V. Ya., and MOSAYEV, M. R.

"Determination of the Hydrocarbon Composition of Oil Fractions," p. 69
Composition and Properties of the High Molecular Weight Fraction of Petroleum;
Collection of Papers on the Composition and Properties of Crudes and Petroleum
Products, Moscow, Izd-vo AN SSSR, 1958, 370pp (In-ta nefti)
2nd Collection of papers publ. by AU Conf, Jan 56, Moscow

In order to explain the relation between quality of oils and hydrocarbon composition the authors studied a number of oils from the Baku region. They came to the conclusion that the adsorption method of analysis is the most objective one and should be recommended for the determination of hydrocarbons in oils. It is sufficient to examine the fraction with viscosity $E_{50}=7$ (table 15) in order to obtain the characteristics of the entire range of oils of the studied crude.

sov/81-59-10-36435

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 443 (USSR)

AUTHORS: Ashumov, G.G., Kuliayev, R.Sh., Antonova, K.I., Stepanyan, T.S., Kitushina, Ye.N., Veliyev, Sh.V.

TITLE: An Investigation of Kalino Petroleum of the Upper Formation With the Aim
of Obtaining Aircraft Oil

PERIODICAL: Sb. tr. Azerb. n.-i. in-t neftepererabat. prom-sti, 1958, Nr 2, pp 99-105
(Azerbaijani summary)

ABSTRACT: The results of experiments are cited on the elucidation of the possibility
of using masut from Kalino petroleum of the upper formation with the aim of
finding additional resources for the production of aircraft oil. The in-
vestigation was carried out with regard to obtaining MK-22 oil by industrial
technology as well as with the application of the process of deasphaltiza-
tion of the initial concentrate, and also with regard to obtaining MS-20
aircraft oil with the application of deasphaltization and selective puri-
fication by phenol. It has been shown that MK-22 oil can be obtained by
both methods with all indices corresponding to the standard with exception
of density; the oil yield in comparison with the yield from Surakhany choice

Card 1/2

SOV/81-59-10-36435

An Investigation of Kalino Petroleum of the Upper Formation With the Aim of Obtaining Aircraft Oil

petroleum is twice lower. MS-20 oil from Kalino petroleum in its principal indices satisfies the demands of the technical standards.

V. Kel'tsev



Card 2/2

ASHUMOV, G.G.; STEPANYAN, T.S.; EYVAZOVA, S.A.

Quality of petroleums on Peschanyy Island. Azerb.neft.khoz. 38
no.1:35-36 Ja '59. (MIRA 12:4)
(Peschanyy Island—Petroleum)

ASHUMOV, G.G.; STEPANYAN, T.S.; CHERFAS, S.I.

Quality of condensates and gas-condensate pools in Azerbaijan.
Azerb. khim. zhur. no.3:11-16 '64.

(MIRA 18:5)

RAYEVSKIY, F., general-major tankovykh voysk; VASHCHILO, I., podpolkovnik;
STEPANYAN, V., gvardii kapitan

Basic military training for the young recruits; comments on articles
published in no.11, 1958. Voen. vest. 39 no.2:59-61 '59.
(MIRA 12:?)

(Military training)

STEPANYAN, V.A.

Strength of bricklaying seams. Dokl. AN Arm. SSR 17 no.3:75-80
'53.
(MIRA 8:2)

1. Institut sooruzheniy i stroymaterialov Akademii nauk Armyanskoy SSR. Predstavлено A.G.Nazarovym.
(Bricklaying)

NASONOV, V.N.; BYKHOVSKIY, V.A.; DZHABUA, Sh.A.; DUZINKEVICH, S.Yi.;
KORCHINSKIY, I.L.; POLYAKOV, S.V. ; STEPANYAN, V.A.

Ways of lowering construction costs of industrial buildings to be
erected in seismic regions. Prom.stroi. 37 no.8:20-23 Ag '59.
(MIRA 12:11)
(Construction industry--Costs) (Earthquakes and building)

STEPANYAN, V., kand.tekhn.nauk

Texturized lightweight concrete outer-wall panels made with
natural stone materials. Prom.Arm. 4 no.11:50-54 N '61.
(MIRA 15:1)

(Armenia--Concrete walls)
(Lightweight concrete)

AKOPOV, A.A.; ATSAGORTSYAN, Z.A.; SIMONOV, M.Z.; STEPANYAN, V.A.;
TER-AZAR'YEV, I.A.; RODIN, B.M.; STUGAREV, A.S., kand. tekhn.
nauk, nauchnyy red.; ZAYCHIKOVA, E.A., red.izd-va; KASIMOV,
D.Ya., tekhn. red.

[Production of natural stone wall materials and lightweight ag-
gregates] Proizvodstvo prirodnnykh kamennykh stenovykh materialov
i legkikh zapolnitelei; sostoianie i perspektivy razvitiia. Mo-
skva, Gosstroizdat, 1962. 211 p. (MIRA 15:12)

1. Armyanskij nauchno-issledovatel'skiy institut stroitel'nykh
materialov i sooruzheniy. 2. Armyanskij nauchno-issledovatel'nyy
institut stroitel'nykh materialov i sooruzheniy (for Akopov,
Atsagortsyan, Simonov, Stepanyan, Ter-Azar'yev). 3. Nauchno-
issledovatel'skiy institut stroitel'nykh materialov i izdeliy
Akademii stroitel'stva i arkhitektury Ukr. SSR (for Rodin).
(Building stones)
(Aggregates (Building materials))

STEPANYAN, V.A.

[Earthquakes in the Armenian highlands and adjacent areas]
[Zemletriasseniya v Armianskom ngor'e i prilegaiushchikh
okrestnostiakh. Erevan, Aiasstan] 1964. 245 p. [In
(MIRA 18:8)
Armenian]

STEPANYAN, V.E.

Using the tensionometric method for determining the regularities
of the distribution of rock pressure in underground structures.
Trudy TSNII Podzemshakhstroia no.2:158-168 '63. (MIRA 17:5)

AKHANYAN, V.E.; KURASHEVSKI, A.I.

Measuring tunnel lining loads carried out under various conditions of mining geology. Trudy TSNIIPotomsredstrofa
(VTPR) 1971 no. 3:158-169 '64.

KURASHVILI, A.I., inzh.; STEPANYAN, V.E., inzh.

Improving the bearing strength and the waterproofness of
tunnel linings by pressure mortar. Transp. stroi. 14 no.1:
46-48 Ja '64. (MIRA 17:8)

STEPANYAN, YF. B., and MARKURYEVA, E. V. (USSR)

"Investigation of Carbohydrates Bound with Serum Proteins in Patients with Chronic Coronary Deficiency and Myocardial Infarct before and after Bilateral Ligation of the Internal Thoracic Arteries."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

STEPANYAN, E. D.

Stepanyan, E. D. - "On the Physiological Characteristics of the Effect of the Dorogov Antiseptic Stimulator ('ASD') on the Stomach Functions of the Dog and the Sheep." Sci Res Veterinary Ins, Min Agriculture Armenian SSR. Yerevan, 1955 (Dissertation for the Degree of Candidate in Biological Sciences).

So: Knizhnaya Letopis', No. 10, 1955, pp 116-127

STEPANYAN, Ye.D.

✓3177. Rôle of the nervous system in the effects of antigenic stimulation. S. Sh. Sakanian and E. D. Stepanian *Izv. Akad. Nauk. Armiansk. S.S.R., Biol. vish. Nauk.* 1953, 8, 151-157; *Referat. Zh. Biol.*, 1956, Abstr. No. 83428.—Caffeine in small doses stimulated, and in large doses depressed, the elaboration of agglutinins in immunization of rabbits with a brucella culture; bromide, and, even more powerfully, novocaine, retarded antibody formation. In experiments with the novocaine stereotype the formation of agglutinins proceeded much more slowly than in the stereotype arising by the injection of physiological saline. (Russian)

T. K. PARSONS

2

STEPANYAN, Ye. G.

"Mutability of Bacilli Coccii and Bact. faecalis alcaligenes During Typhoid Fever." Cand Med Sci, Turkmen State Medical Inst, Ashkhabad, 1953. (RZhBiol, No 5, Nov 54.)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SC: Sum. No. 521, 2 Jun 55

YAN YAN, Ye.O.; Biologija, N.I.

Comparative ratios of nutrient media made with distilled and tap water. Lab. de la F.M.: 54-55 May-Je '57. (MEPA 10:2)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny.
(BAYTARI 1957--CULTURES AND CULTURE MEDIA)

USSR/Microbiology. General Microbiology.

F

Abs Jour : Ref Zhur-Biol, No 13, 1958, 57449

Author : Stepanyan Ye. G.

Inst : Not given

Title : On the Presence of Atypical Forms of Coli Group
Bacteria in Typhoid Foci

Orig Pub : Zdravookhr. Turkmenistana, 1957, No 4, 2-24

Abstract : As a result of the bacteriological investigation of 264 typhoid foci in Ashkhabad, typhoid, paratyphoid, and dysentery bacteria were isolated from 83 of them (31.4%). Of all the isolated cultures 59.4% were atypical, 61.7% of those were isolated from extraneous medium, and 38.3% atypical were from persons who recovered from the disease or were in close contact with it. It is recommended that a thorough study be made of the

Card 1/2

(STEPANYAN, Ye.G.; BERDYYEVA, S.I.

Improvement in the quality of bacteriological diagnosis of typhoid
and paratyphoid infections. Zdrav. Turk. 4 no.5:27-29 S-0 '60.
(MIRA 13:12)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S. Popova).
(TYPHOID FEVER) (PARATYPHOID FEVER)

VASIL'YEV, A.V.; STEPANYAN, Ye.G.; MOLEVA, K.V.

Significance of phage typing of typhoid fever bacteria in epidemiological practice. Zdrav. Turk. 5 no.2:10-12 Mr-Ap '61.

(MIRA 14:5)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S.Popova).
(BACTERIOPHAGE) (TYPHOID FEVER)

SEMASHKO, L.L.; STEPANYAN, Ye.G.

Sparrows as possible reservoirs for the agents of intestinal infections
in Turkmenistan. Zdrav. Turk. 5 no.3:10-12 My-Je '61.(MIHA 14:10)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S.Popova).
(TURKMENISTAN—SPARROWS) (BIRDS AS CARRIERS OF DISEASE)

VASIL'YEVA, A.V.; STEPANYAN, Ye.G.; GAL'PERIN, I.P.; YURKO, L.P.; ORAKAYEVA, N.S.

Epidemiology of typhus abdominalis and paratyphoid fever in the
City of Ashkhabad. Zdrav. Turk. 5 no.4:14-16 Jl-Ag '61.

(MIRA 14:10)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (direktor -
dotsent Ye.S.Popova).

(ASHKABAD—TYPHOID FEVER) (PARATYPHOID FEVER)

STEPANYAN, Ye.G.; VASIL'YEVA, A.V.; ORAKAYEVA, N.S.

Vi-agglutination, a supplementary method for detecting typhoid carriers.
Zdrav. Turk. 5 no.6:6-8 N-D '61. (MIRA 15:2)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. - dotsent
Ye. S.Popova.

(TYPHOID FEVER--AGGLUTINATION REACTION)

STEPANYAN, Ye.G.; YURKO, L.P.; BURMISTROVA, O.G.; ORAKAYEVA, N.S.

Salmonellosis in Ashkhabad. Zdrav.Turk. 6 no.4:18-21 J1-Ag '62.
(MIRA 15:8)

1. Iz kafedr mikrobiologii (zav. -prof. Ye.Ya.Gleyberman),
infektsionnykh bolezney (zav. - dotsent A.S.Medvedev) Turkmeneskogo
gosudarstvennogo meditsinskogo instituta i Ashkhabadskogo instituta
epidemiologii i gigieyeny (dir. - dotsent Ye.S.Popova).
(ASHKABAD--SALMONELLA INFECTIONS)

70000. 1975. 07. 01. 1975. 07. 01.

Biochemical characteristics of *Salmonella typhi murium* Bremer cultures of various origin. Izv. AN Turk. SSR. Ser. biol. nauk
K. 35(0-3) 161 (NIIM 3842)

1. Aksyukabekly. Institut epidemiologii i gigiyeny.

L 41825-65

ACCESSION NR: AP5009033

S/0296/64/000/006/0050/0056

AUTHOR: Stepanyan, Ye. G.; Semashko, L. L.; Geyberman, S. Ye.; Yurko, L. P.;
Shashikhina, M. N.

g
D

TITLE: Experimental Breslau salmonellosis in sparrows

SOURCE: AN TurkmSSR. Izvestiya. Seriya biologicheskikh nauk, no. 6, 1964, 50-56

TOPIC TAGS: salmonella, food poisoning, infection, epidemiology

ABSTRACT: Oral infection of young sparrows with either a typical or a non-gas producing Breslau culture (*S. typhi murium*) results in a disease with a definite clinical course and pathological changes in various organs accompanied by prolonged elimination of the causative agent. The clinical and pathohistological data indicate that infection with the non-gas producing variant results in a more severe form of the disease. Bacteriological investigations during the infectious process revealed that a typical Breslau culture breaks down into gas- and non-gas producing variants. However, the etiologic agents of mouse typhoid which do not produce gas in media with carbohydrates showed that this characteristic is persistent. The fact that sparrows can become infected by *S. typhi murium*, the prolonged elimination of

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L 41825-65

ACCESSION NR: AP5009033

the bacteria, and the comparative ease with which healthy birds contract the disease on contact with sick birds point up the epidemiological significance of this reservoir of salmonellosis. Orig. art. has: 2 figures, 1 table.

ASSOCIATION: Ashkhabadskiy institut epidemiologii i gigiyeny Minzdrava Turkmeneskoj SSR (Ashkhabad Institute of Epidemiology and Hygiene, Turkmen Ministry of Health)

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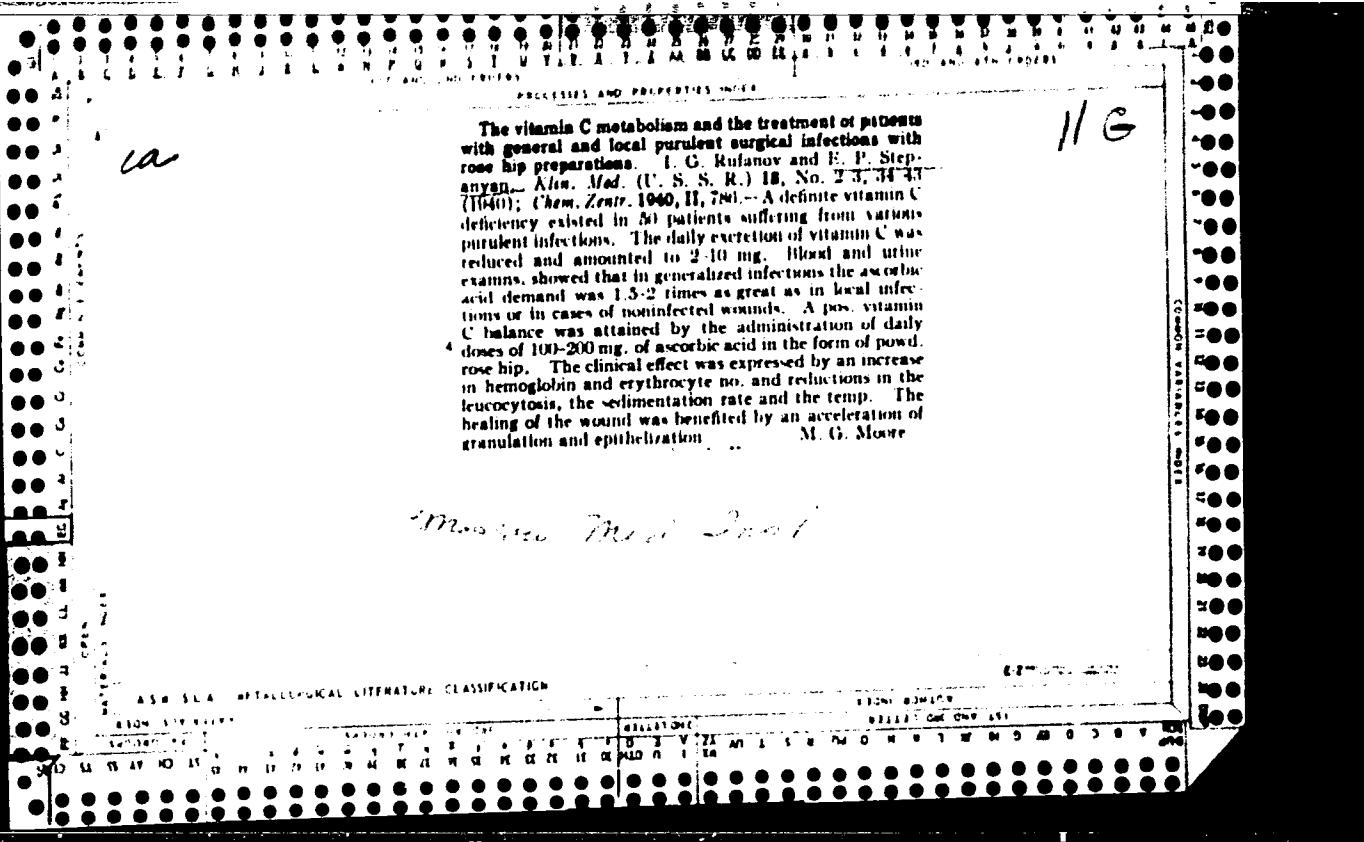
OTHER: 004

(P.M.)
Card 2/2

STEPANYAN, Ye.G.; SEMASHKO, L.I.; GLEYBERMAN, S.Ye.; SHASHIKHINA, M.N.

Salmonella typhi murium infection of sparrows under experimental conditions. Izv. AN Turk. SSR. Ser. biol. nauk no.6:50-56 '64.
(MIRA 18:4)

1. Ashkhabadskiy institut epidemiologii i gigiyeny Ministerstva
zdravookhraneniya Turkmenской SSR.



STEPANYAN, Ye.

Mbr., Preliminary Surgical Clinic, 1st Moscow Order Lenin Med. Inst., -c1948-c49-. "Vitamin C as a Detoxicating Factor in Experimental Intestinal Constipation," *Khirurgiya*, No. 1, 1948; "The Hemoglobin Estimate of Certain Anemic Cases in the Surgical Clinic and Principles of Their Treatment," *Klin. Med.*, 27, No. 4, 1949.

1. STEPANYAN, YE.
2. USSR (600)
4. Urine - Analysis and Pathology
7. Photo-colorimetric determination of paraminobenzoic acid in the blood and urine. Klin.med. 30 no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

STEPANYAN, Ye.P.

Article by E.D.Antipenko on "Interavenous novocaine injection as a means of preventing surgical shock." Khirurgiia no.10:94-95 O '54.
(NOVOCAIN) (SHOCK) (MLRA 8:1)

S. T. L. & P. M. Y.
USSR.

✓ Paper chromatographic method of estimating the amount of free histamine in the blood of normal and hypertensive persons. E. P. Stepanyan (Inst. Therapy, Acad. Med. Sci. U.S.S.R. Moscow). *Klin. Med. (U.S.S.R.)*, 32, No. 7, 42-6 (1951).--Materials: anhyd. Na₂SO₄ and Na₄PO₄, NH₃-std. BuOH (I), 0.1 % soln. of *p*-nitroaniline in HCl, 4 % NaNO₂, 10 % Na₂CO₃, histamine, semicarbazide, and Whatman filter paper No. 1. The diazo mixt. is prep'd. by cooling 10 cc. of *p*-nitroaniline soln. on ice for 1 hr. and adding 1 cc. of NaNO₂ soln. dropwise and stirring. The mixt. must be colorless. Five cc. of oxalated blood contg. 0.0002 % of semicarbazide, an antihistaminase, is dild. with an equal amt. of doubly distilled water in a glass-stoppered test tube, 3 g. of a mixt. of Na₄PO₄ and Na₂SO₄ (1:0.25) is added, followed by 5 cc. of BuOH. After 3 min., the mixt. is shaken vigorously to destroy the albuminous ppt. The test tube is shaken in a shaking machine for 45 min., centrifuged for 15 min., and the BuOH layer transferred to another glass-stoppered test tube contg. 1 cc. of 0.6*N* H₂SO₄. The shaking is repeated for 40 min., the centrifuging for 5 min. and the alc. layer is removed; 3 g. of the sulfate-phosphate mixt. and 3 cc. of BuOH are added and the mixt. is shaken for 45 min. and centrifuged for 5 more. Both layers of BuOH are concd. in a porcelain dish to a very small vol., the sides of the dish are rinsed with alc. and the vol. is concd. to 0.1-0.05 cc. The cooled soln. is dropped with the aid of a micro-pipet upon the paper which is warmed. The same paper is treated with several dilns. of a standard soln. of histamine and placed in a small jar which is $\frac{1}{4}$ filled with NH₃-std. BuOH. The jar is put inside of an enclosure which has received a few hrs. previously a Petri dish filled with NH₃-BuOH. The enclosure is tightly covered and incu-

Dr. Biol. Sci.

OVER

SIEPAHARI, E.P.

Incubated at 18-20° for 15-17 hrs. Later the paper is taken out, dried at 100° for 2 hrs., allowed to cool and after 30 min. sprayed with the diazo mixt. This is followed by spraying with 10 % Na₂CO₃. The paper is warmed for 5-7 min. to develop the red color resulting from the interaction of histamine and the diazo mixt. The amt. of histamine can be estd. by comparing the intensity and size of the formed stain with those formed by the standard solns. Normal values found with this method (5-7γ/100 cc.) agree closely with those obtained through biol. assay. In the first stage of hypertension the histamine value lev. 1 was 7-10γ, in the 2nd stage 30-50, mean value 21.5, in the 3rd stage (sclerotic) 2-10, mean value 7. A. Mirkin

2/2

STEPANYAN, E.D.

S-1

USSR/General Problems of Pathology - Immunity.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71332

Author : Sakanyan, S.Sh., Stepanyan, E.D.

Inst :
Title : On the Role of the Nervous System in the Effects of
Antigenic Irritation.

Orig Pub : Tr. Arm. n.i. Vet. in-ta 1955, vyp. 8. 55-71

Abstract : The dynamics of agglutination reaction and RSK in rabbits, immunized intravenously by brucellosis vaccine (5 billion microbial bodies once) was investigated. The rabbits received caffeine, bromides, novocaine, Ca Cl₂; a dynamic stereotype by repeated administrations of 1 percent solution of novocaine or physiol. solution was produced. Caffeine in 0.01-0.02 g/kg stimulated the production of agglutinins, and in dose of 0.1 gm depressed it. Bromides (0.02-0.05 gm/kg), novocaine, and dynamic stereotypes of 1% solution of novocaine and physiol. solution inhibited

Card 1/2

- 1 -

The histamine and histaminase content of blood in hypertensive diseases. E. P. Stepanyan, N. A. Smazhnova, and A. P. Efimova (Therap. Issly., Acad. Med. Sci. U.S.S.R., Moscow). *Klin. Med.* 33, No. 9, 28-30 (1955).—The serum histaminase of normal persons is from 3 to 5 (expressed as γ histamine disappearing)/100 cc., average 4.28. In hypertension the amount depends upon the stage of the disease, 5-8 (I stage), 2-5 (II) and 6-16 (III). The histamine level is lower in I and III and higher in II. The low histaminase is due to the repressive action of the high histamine concentration. The high histamine concentration is not affected by injection of Dimedrol, an antihistamine. This suggests the ability of the organism to react with increase of depressor factors, of which histamine is one, to the harmful effect of the pressor factors. The suggestion is strengthened by the complete absence of histamine in malignant hypertension when the defensive mechanism is rendered ineffective. Technique for determination of histaminase: 2 cc. of serum, 0.6 cc. of phosphate buffer (pH 7.2), 0.1 cc. histamine HCl (50 γ), 0.3 cc. indigodisulfonate (20 mg./30 cc.) and 1 drop of octyl alcohol are put into a stoppered flask with two outlet tubes. After oxygen has been passed for 8 minutes the flask is shaken in a constant temperature 38°-water bath for 4 hours and left for another 20 hours. Deproteinization follows by adding equal volume of 10% $CCl_4 \cdot COOH$ along with 0.36 cc. of acetone to decrease absorption of dye on the proteins. The flask is shaken for 10 minutes and the con-

Other histamines and... 1/2

contents filtered. A blank is prepared containing all the reagents used in the test with the exception of histamine, and 0.7 cc. instead of 0.6 cc. of the phosphate buffer. The color is read in a photocalorimeter and compared with standard solutions of histamine. The larger the amount of histamine the fainter the color intensity. Histamine was determined chromatographically and colorimetrically. A chromatogram was obtained after 16 hours. Butyl alcohol saturated with 10% NH₃ was used as solvent. After drying the paper strip was saturated with a solution prepared in the following way. To 100 cc. of 0.125% para-bromaniline in 0.1N HCl are added 10 cc. of 0.1% NaNO₂, then 10 cc. of 20% Na₂CO₃.

A. S. Mirkin

EXCERPTA MEDICA Sec. 6 Vol. 11/9 Sept. 57

STEPANYAN, E. P.

5603. STEPANYAN, E. P. and PERTCHIKOVA, G. E. Inst. of Int. Med., USSR Acad. of Med. Sciences, Moscow. *The activity of the hyaluronidase (spreading factor) in the blood serum of rheumatic patients (Russian text) TER. ARKH. 1956, 28/5 (5-8) Tables 2

The hyaluronidase content of the blood serum was estimated in 40 rheumatic patients and in 30 healthy subjects. The tests used were: the prevention of the clotting of the mucin and the reaction of reducing the viscosity of the hyaluronidase (MacLean). The blood serum of the normal subjects contained from 0 to 2.5 U. of the hyaluronidase. In 30 patients with active rheumatism the serum contained from 3 to 10 U. In patients with valvular heart damage, but without evidence of the active disease, there was no rise in the hyaluronidase content of the blood serum. After the treatment with salicylates and ACTH there was simultaneous fall in the hyaluronidase content of the serum with the clinical improvement. The authors believe that

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CONT.

salicylates act by depressing the activity of the hyaluronidase. Bibliography - 5
references. Tareyeva - Moscow

Stepanov, A. S.

Mirkin

Determination of hyaluronidase in urine. E. P. Stepanov and N. I. Gorbarenko (Therap. Inst., Moscow). Byull. Eksp. Biol. i Med. 41, No. 6, 39-41 (1956).—The property of urine to depolymerize hyaluronic acid is due to other substances besides hyaluronidase. This was demonstrated by subjecting urine to prolonged boiling which destroyed the enzyme. In 41 out of 51 cases the urine exhibited after boiling a strong depolymerizing ability. The polymerizing ability of substances other than hyaluronidase appears to increase after boiling. Since the urine owes its depolymerizing property to hyaluronidase only in a small no. of cases it cannot be used as a measure of hyaluronic activity of the organism. A. S. Mirkin

2

STEPANYAN, Ye.P.; GORBARENKO, N.I.

Determination of hyaluronidase in urine. Biul.eksp.biol.med. 42
no.6:39-41 Je '56. (MLRA 9:9)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof.
A.L.Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom
AMN SSSR A.L.Myasnikovym.

(HYALURONIDASE, in urine
in rheumatism, determ.)

(URINE,
hyaluronidase determ. in rheumatism)
(RHEUMATISM, urine in
hyaluronidase determ.)

USSR/Medical and Animal Physiology. The Effects of Physical
Effects.

T

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 93746.

Author : Stepanyan, Ye. P., Klimov, V.S., Gorbarenko, N.I.

Inst :
Title : The Problem of Hyaluronidase and Histamine in the Blood
of Individuals Subjected to Ionizing Radiation in Industry.

Orig Pub: Med. radiologiya, 1957, 2, No 3, 19-23.

Abstract: The amount of hyaluronidase (I) in the serum and his-
tarine (II) in the plasma of people (21) periodically
subjected to the effect of γ - and β -radiation
5 times or more higher than a safe dose (group I),
people (21) subjected to the effect within a safe range
(group II), and people (15) who received doses lower
than safe but having contact with chemically toxic

card : 1/2

511100 1974 46 1

EXCERPTA MEDICA Sec.14 Vol.11/10 Radiology Oct 57

1713. STEPANIAN E. P., KLIMOFF V. C. and GORBARENKO N. I. *The activity of hyaluronidase in the blood serum of men subjected to chronic irradiation (Russian text) VESTN. RENTGENOL. RADIOL. 1957, 32/1 (18-23) Tables 3

Determinations of the quantity of hyaluronidase in the blood serum of workers subjected to the action of ionizing radiation in industrial conditions have shown that it depends on the length of time of contact. The quantity of hyaluronidase in the blood serum was estimated by the clotting time of mucin and the decrease of the viscosity of hyaluronic acid. To evaluate the activity of hyaluronidase numerically it was standardized by dry hyaluronidase.

(XIV. 2*)

Inst. Sherega, AME USSR

STEPANYAN, Ye.P.; PERCHIKOVA, G.Ye.

~~Examination of hyaluronidase and histamine in blood in rheumatic heart disease. Klin.med. 35 no.5:129-131 My '57. (MLRA 10:8)~~

1. Iz Instituta terapii AMN SSSR (dir. - deystviteľ'nyy chlen AMN SSSR prof. A.L.Myasnikov)

(RHEUMATIC HEART DISEASE, blood in
hyaluronidase & histamine determ.)

(HYALURONIDASE, in blood
in rheumatic heart dis.)

(HISTAMINE, in blood
same)

STEPANYAN, Ye.P.; LAGUTINA, A.I.

Level of prothrombin, fibrinogen, heparin and of the protein fractions in the blood prior to and following surgery. Grud. khir. 1 no.3:52-56 My-Je '59. (MIRA 15:3)

l. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.
Adres Ye.P. Stepanyan: Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN SSSR.

(BLOOD)
(OPERATIONS, SURGICAL)

KOLESNIKOV, S.A., doktor med.nauk; STEPANYAN, Ye.P., doktor biol.nauk

Value of determining the hyaluronidase-antihyaluronidase in
blood serum of patients before and after mitral commissurotomy.
Khirurgia 35 no.4:92-96 Ap '59. (MIRA 12:8)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'-nyy chlen AMN SSSR prof. A.N.Bakulev).

(MITRAL STENOSIS, blood in

hyaluronidase & antihyaluronidase, value of
pre- & postcommissurotomy determ. (Rus))

(HYALURONIDASE, in blood

in mitral stenosis, value of pre- & postcom-
missurotomy determ. with antihyaluronidase
(Rus))